

<!--StartFragment-->RESULT 4

AAAY82326

ID AAY82326 standard; protein; 357 AA.

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AC AAY82326;

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DT 21-JUN-2000 (first entry)

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DE Human arginase I SEQ ID NO:17.

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KW Human; arginase II; arginase I; diagnosis; hypotensive; hypertensive;  
 KW uropathic; cytostatic; neuroprotective; gene therapy; hypertension;  
 KW nitric oxide biosynthesis modulator; urea cycle disease; hypotension;  
 KW episodic hyperammonaemia; hyperargininaemia; spasticity; prostatitis;  
 KW growth retardation; progressive mental impairment; prostate disease;  
 KW prostate cancer; benign prostatic hyperplasia; hypertrophy;  
 KW prostate damage; kidney disease; kidney damage.

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OS Homo sapiens.

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PN US6054308-A.

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PD 25-APR-2000.

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PF 15-JUL-1998; 98US-00116115.

XX

PR 14-MAR-1996; 96US-0013395P.

PR 20-AUG-1996; 96US-00700186.

PR 20-AUG-1997; 97US-00914981.

XX

PA (HUMA-) HUMAN GENOME SCI INC.

PA (SMIK ) SMITHKLINE BEECHAM CORP.

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PI Dillon PJ, Vockley JG;

XX

DR WPI; 2000-328355/28.

DR N-PSDB; AAA08074.

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PT Novel human arginase II polypeptides useful for treating urea cycle  
 PT diseases, hypertension, hypotension, episodic hyperammonemia, to control  
 PT nitric oxide formation and kidney damage.

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PS Example 1; Col 49-52; 37pp; English.

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CC The present invention describes human arginase II. Arginase II has  
 CC hypotensive, hypertensive, uropathic, cytostatic and neuroprotective  
 CC activities, and can be used in gene therapy and as a nitric oxide  
 CC biosynthesis modulator. Human arginase II proteins can be used to treat  
 CC diseases associated with or caused by a defect in the arginase II gene or

Query Match 100.0%; Score 1678; DB 3; Length 357;  
Best Local Similarity 100.0%; Pred. No. 2.4e-162;  
Matches 322; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MSAKSRTIGIIGAPFSKGQPRGGVEEGPTVLRKAGLLEKLKEQECDVKDYGDLFFADIPN	60
Db	18	MSAKSRTIGIIGAPFSKGQPRGGVEEGPTVLRKAGLLEKLKEQECDVKDYGDLFFADIPN	77
Qy	61	DSPFQIVKNPRSVGKASEQLAGKVAQVKKNGRISLVLGGDHSLAIGSISGHARVHPDLGV	120
Db	78	DSPFQIVKNPRSVGKASEQLAGKVAQVKKNGRISLVLGGDHSLAIGSISGHARVHPDLGV	137
Qy	121	IWVDAHTDINTPLTTTSGNLHGQPVSFLLKELKGKIPDVPGFSWVTPCISAKDIVYIGLR	180
Db	138	IWVDAHTDINTPLTTTSGNLHGQPVSFLLKELKGKIPDVPGFSWVTPCISAKDIVYIGLR	197
Qy	181	DVDPGEHYILKTLGIKYFSMTEVDRLGIGKVMEETLSYLLGRKKRPIHLSFDVDGLDPSF	240
Db	198	DVDPGEHYILKTLGIKYFSMTEVDRLGIGKVMEETLSYLLGRKKRPIHLSFDVDGLDPSF	257
Qy	241	TPATGTPVVGGLTYREGLYITEEIKTGLLSGLDIMEVNPSLGKTPEEVTRTVNTAVAIT	300
Db	258	TPATGTPVVGGLTYREGLYITEEIKTGLLSGLDIMEVNPSLGKTPEEVTRTVNTAVAIT	317
Qy	301	LACFGLAREGNHKPIDYLNPPK	322
Db	318	LACFGLAREGNHKPIDYLNPPK	339

<http://es.ScoreAccessWeb/GetItem.action?AppId=1051822...&ItemName=us-10-518-223-9.rag&ItemType=4&startByte=0> (2 of 2) 4/27/2008 6:49:59 PM